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a great resemblance may be observed between the month of December 1790 and December 1809, January 1791 and the present month, which has been often remarkably pleasant although uncommonly changeable.

Decem.	21, .....	Rain.
	22, .....	A trifling shower.
	23, .....	Showery.
	24, 25, .....	Wet days.
	26, .....	Showery.
	27, .....	Fine clear dry day.
	28, .....	A slight shower.
	29, .....	Stormy, with rain.
	30, .....	Wet.
	31, .....	Showery.
January	1, .....	Slight showers.
	2, .....	Dry, pleasant.
	3, .....	Slight rain.
	4, 6, .....	Fine dry days.
	7, .....	Heavy rain.
	8, .....	Showery.
	9, 10, .....	Clear and dry.
	11, .....	Stormy and wet.
	12, .....	Showery.
	13, .....	Wet morning, dry day.
	14, .....	Cold and dry.
	15, .....	Frost, with a fall of snow about $1\frac{1}{2}$ inch deep.
	16, .....	Dark frosty day.
	17, .....	Clear frosty day.
	18, .....	Showery.
	19, .....	Dry and frosty.
	20, .....	Wet.

The range of the barometer has been trifling, only four times as low as 29.5, and mostly about 30, seldom one tenth above it.

The thermometer has been continually fluctuating in the mornings between  $27\frac{1}{2}$ , which it was on the 19th of January, and 50 which it was on the 1st and 4th of January; indeed it was scarcely two mornings near the same temperature.

The highest at which the thermometer was observed at 2 P.M. was 53 on the 1st of January, the lowest 30 on the 15th of the same month.

The prevalent winds have been S.W. which was 13 times, it was observed also N.W. 2; S.E. 6; E. 2; N.E. 3 times.

## CELESTIAL PHENOMENA.

FOR FEBRUARY, 1810.

On the 1st the Moon rises at 36 min. past 5 A.M. and sets at 48 min. past 1 P.M. hence she will not be visible, except for a short time in the morning.

5, The new Moon will be seen in the evening towards the w.s.w. having near, but above her, the four stars in the triangle of the Water-pot, and below her Mercury, and the eighth of the Water-bearer, above her is Mars, and at a considerable distance higher up, Jupiter. Thus three planets, with the Moon, decorate the western hemisphere, and her passage by two of them will naturally fix our attention.

10, She is on our meridian at 19 min. past 5, having directly under her Menkar, or the first star of the Whale, the three first stars of the Ram being to the west, as the Pleiades are at nearly an equal distance to the east of the meridian; at 9, she is  $64^{\circ} 12'$  from the second of the Twins.

15, She is on the meridian at 16 min. past 9, being near the middle of the Triangle, formed by the third, the first and the second of the Twins, and the first and second of the little Dog. The third of the Twins being to the west, the other stars, to the east of the meridian; at 9 she is  $40^{\circ} 52'$  from the first of the Lion, and  $35^{\circ} 20'$  from Aldebaran.

20, She rises nearly at the same time with the second of the Lion, the first being at a considerable distance above her, and her course is directed to the twentieth of the Lion, which suffers an occultation before she sets, this takes place the following morning, a little after 5; the star emerges a little before six.

27, She rises 25 min. past 2 A.M. and is soon after followed by Saturn and the stars in the Scorpion.

Mercury is an evening star during the former, and a morning star, during the latter part of this month. His inferior conjunction takes place on the 16th.

Venus is a morning star, but so low at sun-rise, that she will be seen but by few.— Her motion is direct. On the first she is under the two first stars of the Goat, and proceeds to a point under the four stars in the triangle of the Water-pot, but does not reach its stream.

Mars is an evening star and may be seen in the upper part of the lower region, at his first appearance on the 1st, to the west of the south-west; but his duration above the horizon after Sun-set decreases, though slowly, every night. The Moon passes him on the 6th.

Jupiter is on the meridian at 16 min. past 4 on the 1st, and at 16 min. past 3 on the 19th, of course we shall have sufficient opportunity of making observations on this beautiful and largest of the planets. The Moon passes him on the 23d.

Saturn is a morning star, being on the meridian at 51 min. past 7 in the morning of the 1st, and earlier every succeeding morning; his motion is direct through  $1\frac{1}{2}$  degrees in the Milky way, under the right leg of the Serpent-bearer. Antares with the second of the Scorpion, are to the west of him. The Moon passes him on the 27th.

Herschell is stationary on the 15th, and of course his motion for some time, both before and after that day will be scarcely perceptible. It is first direct and then retrograde. The Moon passes him on the 25th.

#### ECLIPSES OF JUPITER'S SATELLITES.

1st SATELLITE.			2d SATELLITE.			3d SATELLITE.					
<i>Emersions.</i>											
DAYS.	H.	M. S.	DAYS.	H.	M. S.	DAYS.	H.	M. S.	DAYS.	H.	M. S.
1	19	0 0	2	12	59 29 Im	6	0	51 35 Im.			
3	13	28 55	2	15	16 8 E.	6	2	56 31 E.			
5	7	57 59	6	2	17 28 Im	13	4	53 58 Im.			
7	2	26 55	6	4	34 3 E.	13	6	58 27 E.			
8	20	55 59	<i>Emersions.</i>			20	8	56 8 Im.	* First Satellite Continued.		
10	15	24 53	9	17	51 59	20	11	0 6 E.			
12	9	53 57	13	7	9 54	27	12	58 18 Im.			
14	4	22 52	16	20	27 46	27	15	1 47 E.			
15	22	51 55	20	9	45 40						
17	17	20 49	23	23	3 32				21	6	18 45
19	11	49 52	27	12	21 22				23	0	47 48
Look to the right hand.*									24	19	16 40
									26	13	45 43
									28	8	14 35

#### TO CORRESPONDENTS.

J. W. E. will perceive on reflection, that to enter on the species of discussion, which he requires relative to his verses, would extend this article to pages, if made general. No other translation of L'Enfant de Venus, has been received, but that inserted in this number; it is therefore supposed that a letter of J. W. E's, has miscarried; if he will send another copy, it shall be considered comparatively with the above. The epitaph to A. K. was rejected, principally for defective rhymes; "charm," cannot be rhyme to "form," no more than "change," can to "tinge," which we took the liberty to alter in his verses to Kitty. The other verses were rejected because the Proprietors did not perceive they contained any thing to entitle them to a preference; please to see the first article to Correspondents in No 17. The person addressed by J. W. E. thanks him for the good opinion of his compositions, but imagines he is mistaken as to the insertions which he supposes to be his, as he writes nothing for the political department, and in that which he furnishes regularly, any attempt at the "classical," elegant, and "energetic," would be absurd. He will thank J. W. E. to gratify his curiosity, by mentioning what he supposes to be his signatures in his other papers; and also to send him his address, if he shall again think such long explanations necessary relative to his communications.

The song for the anniversary of St. Andrew; the verses to Maria of the Cottage; X. X. on the character of Bonaparte; and L's thoughts suggested by reading certain lines in Hervey's Contemplations, are not thought suitable to the Magazine, by the proprietors.

We return thanks to the "Friend to civil and religious liberty," for the good opinion he has expressed of the work; and are sorry his paper cannot be admitted.

Directions have been given for performing what Reviewer has desired.

Letters signed H. S. Carrickfergus; J. W. E. Rathelam; Peregrine; N. Lambeg; Mirkhond; S. Ballymena; C. Belfast, Anglicus; Y. R. Dublin; Un Emigre Francois; Lydia's Ode to Winter; Eswood's three poems; and the third part of Sainclair, with other favours, have been received and shall be submitted to the consideration of the proprietors.

*Erratum.*.....In the note at bottom of the 45th page, 8th line, read "the days of the week and of the months."